

| Fördermedium (20°C)     |   |         | Werkstoff  |      |           |     |          |      |      |  |
|-------------------------|---|---------|------------|------|-----------|-----|----------|------|------|--|
| Bezeichnung             | Chemische Formel                                    | Konz. % | Dosierkopf |      |           |     | Dichtung |      |      | Kugel                                  |
|                         |   |         | PP         | PVDF | SS 1.4401 | PVC | FKM      | EPDM | PTFE | Keramik Al <sub>2</sub> O <sub>3</sub> |
| Acetaldehyd             | CH <sub>3</sub> CHO                                 | 100     | ○          | -    | ●         | -   | -        | ●/○  | ●    | ●                                      |
| „Ammoniak“ =>           | Ammoniumhydroxid                                    |         |            |      |           |     |          |      |      |  |
| Acrylbenzol             |   | 100     | n          | n    | n         | n   | n        | n    | ●    | n                                      |
| Acetamid                | CH <sub>3</sub> CONH <sub>2</sub>                   | s       | ●          | ●    | ●         | ●   | ○        | ●    |      |  |
|                         |   | 100     | ●          | ●    | n         | n   | n        | n    | ●    | n                                      |
| Acetanhydrid =>         | Essigsäureanhydrid                                  | 100     | ○          | -    | ●         | -   | -        | ●/○  | ●    | n                                      |
| Acetessigester          | C <sub>6</sub> H <sub>10</sub> O <sub>3</sub>       | 100     | ●          | ●    | ●         | -   | -        | ●/○  | n    | n                                      |
| Aceton                  | CH <sub>3</sub> COCH <sub>3</sub>                   | 100     | ●          | -    | ●         | -   | -        | ●    | ●    | ●                                      |
| Acetonitril             |   | 100     | ●          | ○    | n         | n   | n        | n    | ●    | n                                      |
| Acetophenon             | C <sub>6</sub> H <sub>5</sub> COCH <sub>3</sub>     | 100     | ●          | -    | ●         | n   | -        | ●    | ●    | n                                      |
| Acetylaceton            | CH <sub>3</sub> COCH <sub>2</sub> COCH <sub>3</sub> | 100     | ●          | -    | ●         | -   | -        | ●    |      | n                                      |
| Acetylchlorid           | CH <sub>3</sub> COCl                                | 100     | n          | -    | ○         | ●   | ●        | -    | ●    | n                                      |
| Acetylendichlorid =>    | Dichlorethylen                                      | 100     | ○          | ●    | ●         | -   | ○        | -    | ●    | n                                      |
| Acetylentetrachlorid => | Tetrachlorethan                                     | 100     | ○          | ●    | ●         | -   | ○        | -    | ●    | n                                      |
| Acetylsalizylsäure      |   | 100     | ●          | ●    | n         | n   | n        | n    | ●    | n                                      |
| Acrylnitril             | CH <sub>2</sub> =CH-CN                              | 100     | ●          | ●    | ●         | -   | -        | -    | ●    | n                                      |
| Acrylsäurebutylester    |   | 100     | ○          | ○    | n         | n   | n        | n    | ●    | n                                      |
| Acrylsäurethylester     |   | 100     | ○          | ○    | n         | n   | n        | n    | ●    | n                                      |
| Acrylsäurenitril        |   | 100     | ○          | ○    | n         | n   | n        | n    | ●    | n                                      |
| Adipinsäure             | HOOC(CH <sub>2</sub> ) <sub>4</sub> COOH            | s       | ●          | ●    | ●         | ●   | ●        | ●    | ●    | n                                      |
|                         |   | 100     | ●          | ●    | n         | n   | n        | n    | ●    | n                                      |
| Akkumulatorensäure      |   | 20      | ●          | ●    | n         | n   | n        | n    | ●    | ●                                      |
| Akkusäure =>            | Schwefelsäure                                       | 20      | ●          | ●    | n         | n   | n        | n    | ●    | n                                      |
| Alaune                  |   | 100     | ●          | ●    | n         | n   | n        | n    | ●    | ●                                      |
| Aldehyde                |   |         | n          | n    | n         | n   | n        | n    | ●    | n                                      |
| Alkohol                 |   | 100     | ●          | ●    | n         | n   | n        | n    | ●    | ●                                      |
| Alkohol vergällt        |   | 100     | ●          | ●    | n         | n   | n        | n    | ●    | n                                      |
| Allyl-Acetat            |   | 100     | ●          | ●    | n         | n   | n        | n    | ●    | n                                      |
| Allylalkohol            | CH <sub>2</sub> CHCH <sub>2</sub> OH                | 100     | ●          | ●    | n         | n   | n        | n    | ●    | n                                      |
|                         |   | 96      | ●          | ●    | ●         | ○   | -        | ●    | ●    | n                                      |
| Allylchlorid            |   | 100     | ○          | ○    | n         | n   | n        | n    | ●    | n                                      |
| Aluminiumacetat         | AL(CH <sub>3</sub> COO) <sub>3</sub>                | s       | ●          | ●    | ●         | ●   | ●        | ●    | ●    | n                                      |
|                         |   | 100     | ●          | ●    | n         | n   | n        | n    | ●    | n                                      |
| Aluminiumbromid         | AlBr <sub>3</sub>                                   | s       | ●          | ●    | n         | ●   | ●        | ●    | ●    | n                                      |
| Aluminiumchlorid        | AlCl <sub>3</sub>                                   | s       | ●          | ●    | -         | ●   | ●        | ●    | ●    | ○                                      |
|                         |   | 100     | ●          | ●    | n         | n   | n        | n    | ●    | ○                                      |
| Aluminiumfluorid        | AlF <sub>3</sub>                                    | 100     | ●          | ●    | n         | n   | n        | n    | ●    | n                                      |
|                         |   | 10      | ●          | ●    | -         | ●   | ●        | ●    | ●    | n                                      |

#### Symbollegende:

|     |   |  |    |   |  |
|-----|---|--|----|---|--|
| s   | = | gesättigte Lösung in Wasser                                  | ●  | = | beständig  |
| ●/○ | = | praktisch beständig  | ○  | = | bedingt beständig  |
| -   | = | nicht beständig  | N  | = | Beständigkeit nicht bekannt  |
| *3  | = | Gefahr von Kristallisation                                   | *4 | = | reagiert heftig mit Wasser und produziert große Hitze<br>(Die Pumpe muss vor dem Dosieren von Schwefelsäure absolut trocken sein.) |
| *6  | = | i <sup>n</sup> neutralen Lösungen                            |    |   |  |
| *5  | = | Muss frei von Fluorid sein, wenn Glaskugeln verwendet werden |    |   |  |
| *6  | = | i <sup>n</sup> neutralen Lösungen                            |    |   |  |
| *7  | = | gesättigte Lösung 0,1 %                                      |    |   |  |

| Bezeichnung              | Chemische Formel  | Konz. % | PP | PVD F | SS 1.440 1 | PVC | FKM | EPD M | PTFE | Keramik Al <sub>2</sub> O <sub>3</sub> |
|--------------------------|---|---------|----|-------|------------|-----|-----|-------|------|--|
| Aluminiumhydroxid        | Al(OH) <sub>3</sub>   | s       | •  | •     | •          | •   | •   | •     | •    | n                                      |
|                          |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
| Aluminiumhydroxidacetat  |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
| Aluminiumnitrat          | Al(NO <sub>3</sub> ) <sub>3</sub>                             | s       | •  | •     | •          | •   | •   | •     | •    | n                                      |
|                          |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
| Aluminiumoxide           |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
| Aluminiumphosphat        | AlPO <sub>4</sub>   | s       | •  | •     | •          | •   | •   | •     | •    | n                                      |
| Aluminiumsulfat          | Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>               | s       | •  | •     | •          | •   | •   | •     | •    | •                                      |
|                          |   | 100     | •  | •     | n          | n   | n   | n     | •    | •                                      |
| Ameisensäure             | HCOOH   | s       | •  | •     | •          | •/o | -   | -     | •    | •                                      |
|                          |   | 100     | •  | •     | n          | n   | n   | n     | •    | •                                      |
| Ameisensäureamid         |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
| Amine                    |   |         | n  | n     | n          | n   | n   | n     | •    | n                                      |
| Aminobenzol              |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
| Aminoessigsäure          |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
| Aminomethan              |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
| Aminosäuren              |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
| Ammoniak                 |   | 100     | •  | •     | n          | n   | n   | n     | •    | •                                      |
| Ammoniaklösung           |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
| Ammonium, wässrig        | NH <sub>4</sub> OH  | 28      | •  | •     | •          | •   | -   | •     | •    | •                                      |
| Ammoniumacetat           | CH <sub>3</sub> COONH <sub>4</sub>                            | s       | •  | •     | •          | •/o | •   | •     | •    | n                                      |
|                          |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
| Ammoniumalaun            |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
| Ammoniumaluminiumsulfat  | NH <sub>4</sub> Al(SO <sub>4</sub> ) <sub>2</sub>             | s       | •  | •     | •          | •   | •   | •     | •    | n                                      |
|                          |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
| Ammoniumcarbonat         | (NH <sub>4</sub> ) <sub>2</sub> CO <sup>3</sup>               | 100     | •  | •     | n          | n   | n   | n     | •    | •                                      |
|                          |   | 40      | •  | •     | •          | •   | •   | •     | •    | •                                      |
| Ammoniumchlorid          | NH <sub>4</sub> Cl  | s       | •  | •     | -          | •   | •   | •     | •    | •                                      |
|                          |   | 100     | •  | •     | n          | n   | n   | n     | •    | •                                      |
| Ammoniumfluorid          | NH <sub>4</sub> F   | s       | •  | •     | o          | o   | •   | •     | •    | n                                      |
|                          |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
| Ammoniumhydrogencarbonat | NH <sub>4</sub> HCO <sub>3</sub>                              | s       | •  | •     | •          | •   | •   | •     | •    | n                                      |
| Ammoniumhydroxid         | „NH <sub>4</sub> OH“  | s       | •  | •     | •          | •   | -   | •     | •    | n                                      |
|                          |   | 25      | •  | •     | n          | n   | n   | n     | •    | •                                      |
| Ammoniumnitrat           | NH <sub>4</sub> NO <sub>3</sub>                               | s       | •  | •     | •          | •   | •   | •     | •    | o                                      |
|                          |   | 100     | •  | •     | n          | n   | n   | n     | •    | o                                      |
| Ammoniumoxalat           | (COONH <sub>4</sub> ) <sub>2</sub> *H <sub>2</sub> O          | s       | •  | •     | •          | •   | •   | •     | •    | n                                      |
|                          |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
| Ammoniumperchlorat       | NH <sub>4</sub> ClO <sub>4</sub>                              | 10      | •  | •     | •          | •   | •   | •     | •    | n                                      |
| Ammoniumperoxidisulfat   | (NH <sub>4</sub> ) <sub>2</sub> S <sub>2</sub> O <sub>8</sub> | s       | •  | •     | -          | •   | •   | •     | •    | n                                      |
|                          |   | 100     | •  | •     | n          | n   | n   | n     | •    | n                                      |
|                          |   | 5       | •  | •     | •          | •   | •   | •     | •    | n                                      |

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| •/o | = | praktisch beständig  | o  | = | bedingt beständig  |
| -   | = | nicht beständig  | N  | = | Beständigkeit nicht bekannt  |
| *3  | = | Gefahr von Kristallisation                                   | *4 | = | reagiert heftig mit Wasser und produziert große Hitze<br>(Die Pumpe muss vor dem Dosieren von Schwefelsäure absolut trocken sein.) |
| *6  | = | i <sup>n</sup> neutralen Lösungen                            |    |   |  |
| *5  | = | Muss frei von Fluorid sein, wenn Glaskugeln verwendet werden |    |   |  |
| *6  | = | i <sup>n</sup> neutralen Lösungen                            |    |   |  |
| *7  | = | gesättigte Lösung 0,1 %                                      |    |   |  |

| Bezeichnung           | Chemische Formel                                  | Konz. % | PP | PVD F | SS 1.440 | PVC | FKM | EPD M | PTFE | Keramik Al <sub>2</sub> O <sub>3</sub> |
|-----------------------|---|---------|----|-------|----------|-----|-----|-------|------|--|
| Ammoniumpersulfat     |   | 100     | ●  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Ammoniumphosphat      | (NH <sub>4</sub> ) <sub>3</sub> PO <sub>4</sub>   | s       | ●  | ●     | -        | ●   | ●   | ●     | ●    | n                                      |
|                       |   | 10      | ●  | ●     | ●        | ●   | ●   | ●     | ●    | n                                      |
|                       |   | 100     | ●  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Ammoniumsulfat        | (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>   | s       | ●  | ●     | -        | ●   | ●   | ●     | ●    | ●                                      |
|                       |   | 10      | ●  | ●     | ●        | ●   | ●   | ●     | ●    | ●                                      |
|                       |   | 100     | ●  | ●     | n        | n   | n   | n     | ●    | ●                                      |
| Ammoniumsulfid        | (NH <sub>4</sub> ) <sub>2</sub> S                 | s       | ●  | ●     | n        | ●   | ●   | ●     | ●    | n                                      |
|                       |   | 100     | ●  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Ammonnitrat           |   | 100     | ●  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Ammonsalpeter =>      | Ammoniumnitrat                                    | 100     | ●  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Ammonsulfat           |   | 100     | ●  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Amylacetat            |   | 100     | ●  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Amylalkohol           | C <sub>5</sub> H <sub>11</sub> OH                 | 100     | ●  | ●     | ●        | ●   | -   | ●     | ●    | n                                      |
| Anilin                | C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub>     | 100     | ●  | ●     | ●        | -   | -   | ●/○   | ●    | ●                                      |
| Anilinhydrochlorid    | C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub> HCl | s       | ●  | ●     | -        | ●   | ●/○ | ●/○   | ●    | n                                      |
| Anisol                |   | 100     | ○  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Anon =>               | Cyclohexanon                                      | 100     | ○  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Antichlor             |   | 100     | ●  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Antimon(III)-chlorid  |   | 100     | ●  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Antimonbutter         |   | 100     | ●  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Antimontrichlorid     | SbCl <sub>3</sub>                                 | s       | ●  | ●     | -        | ●   | ●   | ●     | ●    | n                                      |
|                       |   | 100     | ●  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Äpfelsäure            | C <sub>4</sub> H <sub>6</sub> O <sub>5</sub>      | s       | ●  | ●     | ●        | ●   | ●   | ●     | ●    | ●                                      |
| Aqua Regia            |   | 100     | -  | ○     | n        | n   | n   | n     | ●    | n                                      |
| Arsen (V)-oxid Hydrat |   | 100     | ●  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Arsensäure            | H <sub>3</sub> AsO <sub>4</sub>                   | s       | ●  | ●     | ●        | ●   | ●   | ●     | ●    | ●                                      |
|                       |   | 100     | ●  | ●     | n        | n   | n   | n     | ●    | ●                                      |
| Askarele =>           | Cyclohexanon                                      | 100     | ●  | -     | ●        | -   | -   | ●/○   | ●    | n                                      |
| Asphalt               |   | 100     | ○  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Äth...=>              | Eth...  |         |    |       |          |     |     |       |      |  |
| Äther =>              | Diethylether                                      | 100     | ○  | ●     | ●        | -   | -   | -     | ●    | ●                                      |
| Ätzkali               |   | 100     | n  | n     | n        | n   | n   | n     | ●    | n                                      |
| Ätzbaryt              |   | 100     | ○  | ●     | n        | n   | n   | n     | ●    | n                                      |
| Ätznatron             |   | 85      | ●  | ●     | n        | n   | n   | n     | ●    | n                                      |

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| ●/○ | = | praktisch beständig  | ○  | = | bedingt beständig  |
| -   | = | nicht beständig  | N  | = | Beständigkeit nicht bekannt  |
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| *6  | = | in neutralen Lösungen  |    |   |  |
| *5  | = | Muss frei von Fluorid sein, wenn Glaskugeln verwendet werden |    |   |  |
| *6  | = | in neutralen Lösungen  |    |   |  |
| *7  | = | gesättigte Lösung 0,1 %                                      |    |   |  |